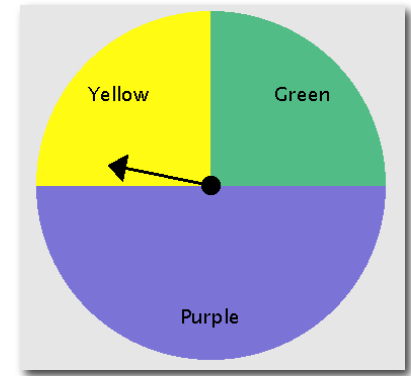


If you and your partner each spin 100 times and record your totals, how many of each of the possible totals (2, 3, 4, 5, or 6) do you expect?



Explain your reasoning.

**Learning Targets:**

**Target 1.** Students will understand what a sample space is. (concept)

**Evidence:** Students will be able to explain the meaning of the term and will attempt to use a sample space as a tool to solve appropriate probability problems.

**Target 2.** Students will develop their ability to construct an appropriate sample space. (skill)

**Evidence:** Students are able to employ a logical system in order to determine and list all possible outcomes.

**Target 3.** Students will develop their ability to use the sample space to determine the probability of a given event. (skill)

**Evidence:** Students are able to determine the number of desired outcomes within the sample space and use this to determine the numerical probability of the given event.

Assessing Target 2

3	2	1	0
System accounts for all possible outcomes.	System accounts for most but misses a few possible outcomes.	System accounts for fewer than half of the outcomes.	No system
Comments:			